

ULTRA LOW TEMP. USB LOGGER w/PDF REPORT



Ultra low Temp. USB logger w/PDF & Excel report 88165

- Plug & Play. PC software and driver are not required
- Built in PT1000 sensor for dry ice & ultra low temperature , such as lyophilization validation
- Automatically generate PDF/Excel report. Report contains summary, graph and detailed data
- Completely user re-programmable: 6 languages, sampling interval, start delay, alarm delay, unit, alarm range, alarm type, password and user name
- Multiple time use for 1.5 year time or 1 million points



Optimize lyophilization by thermal analysis!



Step 1
Completely programmable by users

Step 2
Press **GO** key 5 seconds to activate

Step 3
Put into container or freeze drying

Step 4
Press **GO** key 5 seconds to stop. You may also long press "Mark" to make bookmark

Step 5
Plug into PC to generate PDF and Excel report.

Model	88165
Temp. range	PT1000 RTD sensor, -80.0~70.0°C , -112.0~158.0°F
Temp. resolution	0.1°C , 0.1°F
Temp. Accuracy	+/-0.5°C for full range
Logging Type	Multiple Time Use till battery power is low
Meter size	104(L)*28.8(W)*10.5(T) mm
Sampling points	48,000 readings
Operation Lifetime	At least 1 million points or 1.5 years which comes first
Operating temp.	-80~70°C (Logging status); room temp.(PC status)
Operating RH%	Humidity < 80%
Storage temp.	-40~85°C
Storage RH%	Humidity < 90%
Weight	~20g
Battery	1PC 3.6V Lithium battery (installed before shipment)
Sampling interval	30 seconds, 5,10,30,60,90,120 minutes
Start delay	0, 5,30,45,60, 90,120 minutes, 24 hours
Alarm range	-20~-10°C, -10~0°C, 2~8°C, 0~15°C, 0~25°C, 15~25°C, others
Alarm delay	0, 5,30,45,60, 90,120 minutes
Alarm type	Single Event, Cumulative, Disable
Operation keys	2 Keys (Start/Stop key & Mark key)
LED indicator	REC, Low Bat., High alarm, Low alarm
Standard package	1pc logger in one box, manual, paper box

Application:

-Optimize lyophilization by thermal analysis
-During transportation, record time and temperature for vaccines, biologics, pharmaceuticals and other perishable & temperature sensitive products

Ordering Code
VZ88165AZ, 88165 logger

*Available for EB project

